IN THE SPECIFICATION:

On page 1, prior to line 3, please add the following new heading and paragraph.

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is the U.S. National Stage of International Application PCT/FI2004/050121 filed August 30, 2004, and published in English on March 17, 2005 as International publication number WO 2005/024681, and claims priority from Finnish Patent Application No. 20035143 filed September 4, 2003.

TECHNICAL FIELD OF THE INVENTION--

On page 1, prior to line 5, please add the following new heading:

BACKGROUND OF THE INVENTION

On page 1, please amend the paragraph beginning on line 16 as follows:

The finding of a certain picture from among a large amount of pictures takes time and is cumbersome. Typically the picture files saved in the memory of a mobile station are named so that the file name includes a possible initial part expressing that the file in question is a picture file, a successive consecutive number and a qualifier according to the picture format. The pictures can be named for instance so that at the beginning of each picture name, there is added the character string "image", and after this character string there is added the number indicated by the calculator and a qualifier, for example ". jpg". In some devices, the user may define the character string that constitutes the first part of the picture file name, so that the files are immediately identified as picture files. However, the first part is the same for all picture files to be saved, and the file names are distinguished only by said value indicated by the calculator. One of the problems of file names identified by

calculator values is that generally the length of the file names has a maximum value. When this maximum length is achieved by the highest possible calculator value, for instance when the maximum length of the file name is 6 characters and the latest name is~~"image9. jpg"~~ "image9.jpg", the calculator is reset, and both the calculator and the file numbers start running over from the beginning. If the picture file called ~~"imageO. jpg"~~ "imageO.jpg" that was created earlier still is saved in the mobile station when the calculator is reset, the new file~~"image0jpg"~~ "image0jpg" is written over the earlier one, and the data saved in the earlier file is lost.

On page 2, prior to line 21, please add the following new heading:

SUMMARY OF THE INVENTION

On page 2, please amend the paragraph beginning on line 31 as follows:

The invention is characterized by what is set forth ~~in the independent claims.~~below in a first embodiment. Other embodiments of the invention are described ~~in the dependent claims.~~as well.

On page 4, please add the following new paragraph and heading:

Further scope of applicability of the present invention will become apparent from the detailed description given hereinafter. However, it should be understood that the detailed description and specific examples, while indicating preferred embodiments of the invention, are given by way of illustration only, since various changes and modifications within the spirit and scope of the invention will become apparent to those skilled in the art from this detailed description.

BRIEF DESCRIPTION OF THE DRAWINGS

On page 4, prior to line 15, please add the following new heading:

DETAILED DESCRIPTION

On page 4, please amend the paragraphs beginning on line 25 through page 5, line 24 as follows:

A picture taken by a mobile station is typically saved in the memory of the mobile station. In step 102 of figure 1, there is created a name suggestion list containing picture file name suggestions according to an embodiment of the invention on the basis of such data already existing in the mobile station that according to certain criteria is ~~associateed~~associated with the picture taken in step 101. The name suggestion list is compiled so that in a given section or element of the mobile station, there is searched and found or produced a piece of information that was already written or saved in the memory of the device or otherwise already exists in the device.

Applicable produced information is saved in the memory and added in the name suggestion list containing picture file name suggestions. Thus the name suggestion list is compiled of data already existing or available in the mobile station, and the name suggestions can be ~~associateed~~associated for instance to the picture, its content, data contained therein, time or place or event of shooting, and so on.

By means of the name suggestions given in the name suggestion list and created on the basis of features looked up in the mobile station, it is possible, in an easy and user-friendly way, to select a descriptive name for the picture file to be saved, which name is ~~associateed~~associated to the picture contained in the picture file.

The created name suggestion list is displayed to the user in a user interface according to an embodiment in step 103. From the name suggestion list created according to an embodiment, there is chosen, according to certain priority rules, the name suggestion that is best ~~associateed~~associated to the picture in question as the default name for the picture file. If for instance the name suggestion list includes a word that describes the contents of a picture, it can be set as the picture file default name that is suggested as the picture file name in the user interface in step 103. The chosen picture file default name is a suggestion that the user can easily accept.

According to an embodiment, the user may also edit the suggested default name, for instance by changing it or by adding something thereto. Said editing operations can also be realized in a user interface according to an embodiment, by selecting from the generated name suggestion list a new name suggestion that replaces the earlier suggestion or is combined thereto. For example, the name suggestion list may include the time of the shooting, and from said time, at the end of the suggested default name for the picture file, there can be added the date or a verbal feature edited as a name suggestion on the basis of the time, such as summer, fall, evening, morning and so on.

On page 5, please amend the paragraph beginning at line 32 through page 6, line 9 as follows:

The arrangement according to this embodiment for naming a picture file that records a picture taken by a mobile station camera comprises means for looking up a given feature ~~associated~~associated to the picture among the information available in the mobile station, means for generating a name suggestion according to said feature that was looked up, means for adding the generated name suggestion in the picture file name suggestion list and thus for creating said name suggestion list, means for displaying the created name suggestion list in the user interface and means for editing the picture file in the user interface. According to an embodiment, the arrangement also comprises means for arranging the information that was looked up in the mobile station in order to create a name suggestion for the picture file in a priority order according to certain priority rules, means for arranging the name suggestions so that the one with the highest priority is first in the name suggestion list, and means for setting the first name suggestion from the list as the default name for the picture file.

On page 8, please amend the paragraph beginning on line 27 as follows:

Figure 2 illustrates a phone book 211; the data contained in said phone book can also be utilized when creating name suggestions according to embodiments of the invention. From the point of view of the invention, a feasible name suggestion can be generated for example of the state data saved in a dynamic phone book 211. The user can record in the dynamic phone book 211 a piece of state information, for ~~instance "I~~instance "I am at a meeting". In addition, the user may grant given other

users permission to request this piece of state information. The state information may include data both in text and image form. According to an embodiment of the invention, the image data of the state information can be further processed by image recognition technique in order to generate name suggestions.

On page 10, please amend the paragraph beginning on line 33 through page 11, line 21 as follows:

According to an embodiment, the picture to be saved is processed by a mobile station image recognition algorithm in order to generate picture file name suggestions on the basis of features recognized in the picture, and the generated name suggestion is added in the picture file name suggestion list. In step 306, the image recognition algorithm is run, and certain features are looked up in the picture to be saved. By means of image recognition technique, it is possible to observe for instance the brightness of the picture, the patterns, persons, targets, places, environments etc. presented in the picture. From these, there can be generated name suggestions, or they can be for instance compared with the corresponding feature of the previous picture, and the name suggestion can be generated on the basis of this comparison, so that the common features are added in the name suggestion list. By using image recognition technique, the pictures can also be arranged in groups already at the recording step, so that the name suggestions generated on the basis of given features – which features and suggestions were already represented in an earlier picture or picture group – are ~~priorized~~prioritized to be the most important and are placed highest in the name suggestion list, so that in the generated name suggestion list, the name suggestions are in an order of importance, and the one that is ~~priorized~~prioritized as the best is first in the list. For instance when generating name suggestions, on the basis of the brightness of the picture it can be assumed that the time of shooting is night. In case said point of time is night also according to the mobile station clock, said two hints obtained from two different locations support each other, so that said hint constitutes a reliable indication of the shooting time. According to an embodiment, the created strong hint is added as a name suggestion, typically at the top end of the name suggestion list.

On page 12, please amend the paragraphs beginning on line 18 through page 14, line 2 as follows:

According to an embodiment, the name suggestions in the generated picture file name suggestion list are ~~priorized~~prioritized according to certain predetermined priority rules, the name suggestions are set in order so that the one with the highest priority is placed highest in the list, and the first name suggestion in the name suggestion list is set as the default name for the picture file in the user interface. In the embodiment of figure 3, the generated name suggestions are ~~priorized, i.e.~~prioritized, i.e. set in an order of priority according to given priority rules in step 309. The priority rules can be defined in several ways that are applicable in any given situation. For instance it can be defined that the name suggestions are looked up in a given order of importance, so that they can be added in the name suggestion list in the same order as they will be looked up, and the separate ~~priorizing~~prioritizing step 309 is left out as unnecessary. Secondly, always when a new name suggestion is found, it can be compared with the ones already existing in the list, and a place for it can be found in the list. Typically the most important name suggestion that is classified as the most appropriate is placed first in the list. The suggestions can be arranged in an order or priority, so that the order is defined according to from where or in which step the name suggestions are looked up. According to another embodiment, the order is affected by which suggestions are identical with those of the previously saved picture. This is typically associated to a time limit, so that the information of the previous picture is valid for instance only if the date is the same, or for example so that when the previous picture becomes a week old, it does not anymore have significance when naming a new picture. According to an embodiment, it can be defined that a possibly found calendar event that suits the point of time always is the best hint. According to another embodiment, all hints are compared with name suggestions generated by image recognition, and the most appropriate among these is chosen according to the priority rules. Moreover, the priority rules may define that for example verbal hints always come before numeric hints, or that five-letter name suggestions are ~~priorized~~prioritized on a higher level than for instance two- or eight-letter name suggestions. According to one priority rule, the name suggestions selected for the highest level are those that best resemble the searched input fed in by the user. The priority rules may define that in case two separate searches result in the same or nearly the same name suggestion, it is raised higher in the order of priority than where the name suggestion as such would qualify. Typically the default names favor names that contain a known word or term, because a verbal name always gives a

hint or assumption as for the contents of the named file, which is essential when processing the files later.

After the name suggestions are ~~priorized~~prioritized in step 309, from among them there is chosen the most suitable default name with the highest priority for the picture file in step 310. In this embodiment, the name that was classified as the best suggestion in step 309 is now set as the default name for the picture file. In step 311, the generated name suggestions are displayed to the user on the display of the user interface. On the basis of the displayed name suggestions, the user may replace the suggested default name with a completely different name, or he may edit the suggested name. The picture file name can be chosen among the found name suggestions by pointing one or several of them, or by editing the name. The name can be compiled to contain several parts, so that for instance after the default name "duck" generated on the basis of image recognition, there is added the season created on the basis of the date information by selecting it from the user interface menu, where the name suggestions are presented. Now the adopted name is for instance "duck-winter", in which case the first part of the name describes the contents of the picture to be saved, and the last part associates the picture to the moment of shooting. From the created file name, there can also be drawn the conclusion that the saved picture represents a winter-coated duck bird. According to an embodiment, in between the parts of file name suggestions compiled of several parts, there is added a separator, such as the hyphen (-) used in the example above. After the file name, there is generally added a qualifier automatically in the user interface.